

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
1650 Arch Street  
Philadelphia, Pennsylvania 19103-2029

**SUBJECT:** Lithium Reanalysis – HW15a 18 July 2012  
Dimock, PA

**FROM:** Dawn A. Ioven, toxicologist  
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**TO:** Rich Fetzer, OSC  
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Samples initially collected from residential wells in Dimock during Weeks 1 through 4 were recently reanalyzed to achieve lower detection limits for lithium. Findings for HW15a are presented below.

**Lithium**

Lithium was observed in wellhead and tap samples collected from HW15a (unfiltered and filtered) at concentrations of 29.1 to 33.5 ug/L. These concentrations approach or slightly exceed lithium's risk-based screening level of 31 ug/L; long-term exposure to the unfiltered tap concentration of lithium (33.5 ug/L) would generate a Hazard Quotient of 1.1. Under acute exposure conditions, ATSDR has suggested a screening concentration of 1500 ug/L for lithium in drinking water.



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